2001 SUPPLEMENT

Vegetable Production Recommendations

Publication 363S

Pesticide Changes/Additions/Deletions

CROPS	PAGE #	REVISION
Cole crops	63	In Table 5-12, under 'thrips', **ADD** to line for parathion, in notes, "Minimum period for re-entry is 7 days." In Table 5-13, **ADD** to line for methomyl, in notes, "Minimum period for re-entry is 24 hrs."
Cucurbits	77	In Table 5-22, under 'scab' and 'Anthracnose', **DELETE** Captan 80 W
Lettuce	89	In Table 5-30, under cabbage looper, **ADD** to line for methomyl, in notes, "Minimum period for re-entry is 24 hrs."
Potato	107	In Table 5-43, **ADD**: "fludioxonil, phenylpyrrole, Maxim PSP, 250 g" **"Note:** On the varieties Shepody and Atlantic, it has been observed that Maxim treatments may increase the number of stems leading to smaller tuber size."
Potato	111	In Table 5-46, for late blight, **CHANGE** rate of Kocide 101 WP to 1.1–2.25 kg AND rate of Kocide DF to 1.1–1.7 kg In notes: **ADD** 'at 3.4 kg/ha' after 'use Kocide after top killing as well'
Potato	110–111	**ADD** to Table 5-46 new section: *Fusarium* dry rot Mancozeb, dithiocarbamate, Dithane F45 1.58 L/1000 kg seed potato. Apply postharvest to seed potatoes prior to storage.
Potato	111	In Table 5-46, Under 'Pythium leak and Pink rot' **CHANGE** 'Ridomil/Bravo Twin Pak 240/500F' to "Ridomil Gold/Bravo Twin Pak 480/500F" and **CHANGE** rate from '1 jug/1.4L/ha' to "2.21 L/ha". Also **CHANGE** active ingredient to "metalaxyl-m/chlorothalonil"
Potato	113	In Table 5-47, **CHANGE** rate of Thimet 15 G from 14.5–22.4 kg to "140–215 g per 100 meters of row"
Potato	115	In 'Vine Killing' section, **CHANGE** "Reglone" to "Reglone 240" and rates as follows: For a) 3.5 L/ha For b) 1.7–2.3 L/ha For c) 1.25–2.3L followed by 1.25L/ha in 4–6 days **CHANGE** water rate to "550–1100 L/ha"
Sweet Corn	132	In Table 5-58, under 'rust' **CHANGE** 'Topas 250 E' to "Tilt 250 E"
Tomato	16	In Table 2-2, **DELETE** 'tomato' from 'Lorsban & Pyrinex' uses.
Tomato	137	In Table 5-62, **DELETE** all reference to 'Captan 80 W'
Tomato	140	Under 'Grasshopper & Cricket', **CHANGE** Guthion 50 WP Solupak to "Sniper 50 W Clean Pak 1.12 kg"
All crops	all	Re-entry interval for all crops for all chlorpyrifos uses is now 24 hours, except for 'cauliflower' which is 10 days

CHANGES TO TABLE 6-2

- For (chlorpyrifos) Lorsban, Pyrinex, Pyrifos; **DELETE** tomato
- **CHANGE** 'Ridomil/Bravo, metalaxyl/chlorothalonil, 240/500 g/L' to: "Ridomil Gold/Bravo, metalaxyl-m/chlorothalonil, 480/500 g/L"
- **CHANGE** all 'metalaxyl' to "metalaxyl-m"
- **ADD** line to table as shown below:

Brand/Trade Name	Active Ingredient	Formulation	% Active	Crop Rec. Registrations	Target Pests	Company Code
TILT	Propiconazole	EC	250g/L	Sweet corn	rust	NOV

- **CHANGE** 'propiconazole, See *TOPAS*", to "propiconazole, See *TILT, TOPAS*"
- **DELETE** 'Sweet corn from 'TOPAS' listing
- **ADD**: new line to table as shown below:

Brand/Trade Name	Active Ingredient	Formulation	% Active	Crop Rec. Registrations	Target Pests	Company Code
DITHANE F-45	mancozeb	Fl	480g/L	Seed potato	*Fusarium* dry rot	ROH

- **ADD**: new line to table as shown below:

Brand/Trade Name	Active Ingredient	Formulation	% Active	Crop Rec. Registrations	Target Pests	Company Code
MAXIM PSP	fludioxonil	D	0.5%	250g/50kg potato seed	Fungal decay	NOV

- **ADD**: new line: "fludioxonil, See *MAXIM*"
- **DELETE** all references to 'Captan 80 W'
- **CHANGE** formulation of 'Reglone' to "240 g/L"

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Provides province wide, toll free technical and business information to commercial farms, agri-businesses and rural businesses.

A complete list of Ontario Ministry of Agriculture, Food and Rural Affairs — Crop Technology Staff is available on our **Web site** at www.gov.on.ca/OMAFRA/english/crops

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Each year the appropriate sub-committee of the Ontario Pest Management Research and Services Committee reviews the pesticides listed in this publication. To the best knowledge of the sub-committee, all of these pesticides were:

- federally registered
- reviewed by the Ontario Pesticides Advisory Committee (OPAC) and
- classified by the Ministry of the Environment as of November 2000

Discard old editions of this publication.

The information in this publication is general information only. All pesticides must be used in accordance with the product label and Regulation 914 under Ontario's *Pesticides Act*.

Pay close attention to all instructions and warnings on the pesticide label.

By printing this publication, the Ministry of Agriculture, Food and Rural Affairs does not offer any warranty or guarantee, nor does it assume any liability for any crop loss, animal loss, health, safety or environmental hazard caused by the use of a pesticide mentioned in this publication.

Policy Statement

In this publication, most recommendations list several pesticides that can be used for each pest discussed. In general the least hazardous materials and those growers have used satisfactorily for years are listed first. More toxic pesticides and/or newer ones with less practical grower experience follow. In some cases, the most effective pesticides are highly toxic.

This publication lists a number of brand names of pesticides. This is for the grower's convenience only. It is neither an endorsement of the product nor a suggestion that similar products are ineffective.

Weather and other factors influence the effectiveness of pesticides and the likelihood of crop injury by pest control chemicals. Consult the product label and other information regarding compatibility with other materials, the effect of environmental conditions, and so on for the specific product being considered. Wettable or soluble powders (WP, SP, WDG or DG) are less likely to cause plant injury than liquid concentrates (EC, SC and F).

Health Canada has established maximum residue limits (MRLs) for pesticides. However, growers should be aware that processors or retailers may demand more restrictive limits. Growers should seek advice of their intended market as to which restrictions or limitations apply. Growers are also encouraged to keep accurate and up to date records on pesticide use in each crop.

Federal Registration and Provincial Classification

The Ministry of the Environment administers Ontario's *Pesticides Act* and Regulation 914.

All pesticides sold and used in Ontario must be:

- registered under the federal *Pest Control Products Act*, and
- classified under the provincial *Pesticides Act* by being placed in one of six schedules of the Ontario regulation.

Federal Registration

The Pest Management Regulatory Agency (PMRA) of Health Canada grants registration following an evaluation of scientific data to ensure that the product has merit and value; and the human health and environmental risks associated with its proposed use are acceptable.

1. Full Registration

Pesticide registrations are normally granted for a period of five years, subject to renewal.

2. Temporary Registration

Temporary registration may be granted for a period not to exceed one year, where the registrant agrees to produce additional scientific or technical information, or the pesticide is used for emergency control of a serious pest outbreak.

For more information on the federal registration system contact the PMRA at 1-800-267-6315 or www.hc-sc.ca/pmra-arla.

Provincial Classification

There are six classification schedules in Regulation 914. Pesticide products are classified based on their toxicity, environmental or health hazard, persistence of the active ingredient or its metabolites, concentration, and usage. This system regulates the distribution, availability and use of pesticide products in Ontario. For up-to-date information on the regulatory status of these or other pesticides contact the:

Ontario Pesticides Advisory Committee (OPAC),
2300 Yonge St., Suite 1203, Toronto, ON, M4P 1E4
Telephone (416) 314-9230 Fax (416) 314-9237
www.opac.gov.on.ca

Farmer Certification

Regulation 914 of the *Pesticides Act* makes it mandatory for farmers to be certified through the Grower Pesticide Safety Course to buy and use Schedules 1, 2 or 5 pesticides on land they farm. There must be at least one Certified Grower for each farm operation.

As of January 2000, all assistants must receive formal pesticide safety training, recognized by the Ministry of the Environment, before they can use Schedule 2 or 5 pesticides under the supervision of a Certified Grower. This applies to all assistants — including family members, farm employees and seasonal workers.

For more information check the Ontario Pesticide Education Program Web site at www.ridgetownc.uoguelph.ca/opep/ or call **1-800-652-8573 or (519) 674-1580**

Cette publication est aussi disponible en français.

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